

Bundesamt für Zivilluftfahrt (BAZL) Office fédéral de l'aviation civile (OFAC) Ufficio federale dell'aviazione civile (UFAC) Federal Office for Civil Aviation (FOCA) CH-3003 Bern Switzerland	Lufttüchtigkeitsanweisung (LTA) Consigne de Navigabilité (CN) Prescrizione di Aeronavigabilità (PA) Airworthiness Directive (AD)	FOCA AD HB-2006-223
Inkraftsetzung Mise en vigueur Entrata in vigore Effective Date	PILATUS – PC-12 FOCA TC/TCDS No: F56-30 ATA 53 – FUSELAGE	

Issue date: 12 April 2006

Subject: CENTER FUSELAGE FRAME 21 – Inspection

Superseded / Revised ADs: Not applicable

1. APPLICABILITY:

PILATUS AIRCRAFT LTD.

All Model PC-12 and PC-12/45 airplanes, Manufacturer Serial Number (MSN) 101 thru MSN 617 inclusive.

2. REASON:

This Airworthiness Directive (AD) is prompted due to the discovery of drill mark damage on some Frame 21 (FR21) lug fittings on the production line, and during a number of mid life wing lug inspections. It is thought that the damage found on the FR21 lug fittings occurred during assembly of the airplane.

Depending on the size and location of possible damage, the fatigue life of the wing attachment lugs on FR21 maybe affected.

In order to correct and control the situation, this AD requires a one time inspection of the FR21 adjacent to the wing upper-attachment lugs, left and right, and a repair if necessary.

3. COMPLIANCE / ACTION:

Required as indicated below, unless already accomplished:

Within the next 12 months after the effective date of this AD:

3.1. INSPECTION / REPAIR

- 3.1.1. Perform an inspection of FR21 in the area of the outer sidewall frame attachment lug forward and aft side faces, left and right, to determine if there is any damage that may have been made with a drill.
- 3.1.2. Perform an inspection of FR21 in the area of the top surface of the wing upper-attachment lugs, left and right, to determine if there is any damage that may have been made with a drill.
- 3.1.3. If during the inspection required by paragraph 3.1.1. of this AD any damage **less** than 0.1 mm (0.0040 inch) on any FR21 is found, prior to further flight, repair the damaged FR21 in accordance with PILATUS PC-12 Service Bulletin No. 53-004.
- 3.1.4. If during the inspection required by paragraph 3.1.1. of this AD any damage **more** than 0.1 mm (0.0040 inch) on any FR21 is found, contact Pilatus Aircraft Ltd. for a repair solution.

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